

The invention being thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the invention, and all such modification as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.

What is claimed is:

1. A liquid crystal display comprising:
 - a plurality of interconnected liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;
 - a first polarizing element provided on substantially an entire front surface of said liquid crystal display main body, said first polarizing element having a first polarizing axis; and
 - a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable;
- said display further including a photo blocking film disposed perpendicular to said display and configured to substantially block diagonal incident light.
2. The liquid crystal display of claim 1 further comprising a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width.
3. The liquid crystal display of claim 2, wherein a trace width of connected parts of said liquid crystal panels is substantially equal to a trace width of said first photo-blocking film.
4. The liquid crystal display of claim 2, wherein said first photo-blocking film is made of a photo-absorbing film which absorbs light.
5. The liquid crystal display of claim 4, wherein said photo-absorbing film is made of an organic material made of a resin in which particulates are dispersed.
6. The liquid crystal display of claim 4, wherein said photo-absorbing film is made of a non-organic material which includes a IV-group semi-conductor.
7. The liquid crystal display of claim 2, wherein said first photo-blocking film is made of a layered film made of a metal film and a photo-absorbing film which absorbs light.
8. The liquid crystal display of claim 7, wherein said photo-absorbing film is made of an organic material made of a resin in which particulates are dispersed.
9. The liquid crystal display of claim 7, wherein said photo-absorbing film is made of a non-organic material which includes a IV-group semi-conductor.
10. The liquid crystal display of claim 1 further comprising a refraction factor adjusting material having a same refraction factor of panel substrates forming each liquid crystal panel, said refraction factor adjusting material being filled in the connected parts of said liquid crystal panels.
11. The liquid crystal display of claim 10, wherein each of said liquid crystal panels is made of at least one active element in a matrix.
12. The liquid crystal display of claim 10, wherein each of said liquid crystal panels includes panel substrates laminated by means of a seal material made of an ultraviolet-ray-setting resin.
13. The liquid crystal display of claim 10, wherein each of said liquid crystal panels includes panel substrates lami-

14. The liquid crystal display of claim 1 further comprising a refraction factor adjusting material having a same refraction factor of panel substrates forming each liquid crystal panel, said refraction factor adjusting material being filled in the connected parts of said liquid crystal panels.

16. The liquid crystal display of claim 15, wherein each of said liquid crystal panels includes panel substrates laminated by means of a seal material made of an ultraviolet-ray-setting resin.

18. The liquid crystal display of claim 1, wherein each of said liquid crystal display panels is made of at least one active element in a matrix.

20. The liquid crystal display of claim 1, wherein each of said liquid crystal panels includes panel substrates laminated by means of a seal material made of an ultraviolet-ray-setting resin.

[22. The liquid crystal display of claim 1, wherein each of said liquid crystal panels includes panel substrates laminated by means of a seal material made of a combination of thermosetting and ultraviolet-ray-setting resin.] 35

[24. The liquid crystal display of claim 1, wherein said 40
plurality of liquid crystal panels are placed on a single plane
of a single substrate so as to be connected to each other
adjacently.]

[26. The liquid crystal display of claim 1, wherein said plurality of liquid crystal panels are placed on a single plane between two substrates so as to be connected to each other adjacently.] 50

28. The liquid crystal display of claim 1, wherein said first 55
photo-blocking film is made of a photo-absorbing film
which absorbs light.

30. The liquid crystal display of claim 29, wherein said photo-absorbing material is mixed with a carbon black pigment.

31. The liquid crystal display of claim 1, further comprising a first photo-blocking film made of a layered film 65 made of a metal film and a photo-absorbing film which absorbs light.

32. A liquid crystal display of claim 1, having an arrangement wherein said display further includes a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width;

5 wherein surface reflecting state of the first photo-blocking film is substantially equal to surface reflecting state of a connected parts of the liquid crystal panels.

✓ 33. A liquid crystal display comprising:

10 a liquid crystal display main body comprising a plurality of liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal display panel including a respective pixel electrode;

a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width;

15 a third photo-blocking film provided in connected parts of said plurality of liquid crystal panels to fill spaces of said connected parts; and

20 said third photo-blocking film disposed perpendicular to said display and configured to substantially block diagonal incident light.

34. The liquid crystal display of claim 33 further comprising a refraction factor adjusting material having a same refraction factor of a panel substrate forming each liquid crystal panel, said refraction factor adjusting material being

25 filled in the connected parts of said liquid crystal panels.

35. The liquid crystal display of claim 33, wherein each of said liquid crystal panels is made of at least one active element in a matrix.

30 36. The liquid crystal display of claim 33, wherein each of said liquid crystal panels includes panel substrates laminated by means of a seal material made of an ultraviolet-ray-setting resin.

37. The liquid crystal display of claim 33, wherein each

35 of said liquid crystal panels includes panel substrates laminated by means of a seal material made of a combination of thermosetting and ultraviolet-ray-setting resin.

38. The liquid crystal display of claim 33, wherein said plurality of liquid crystal panels are placed on a single plane

40 of a single substrate so as to be connected to each other adjacently.

39. The liquid crystal display of claim 33, wherein said plurality of liquid crystal panels are placed on a single plane between two substrate so as to be connected to each other

45 adjacently.

40. The liquid crystal display of claim 33, wherein a trace width of connected parts of said liquid crystal panels is substantially equal to a trace width of said first photo-blocking film.

50 41. The liquid crystal display of claim 33, wherein said first photo-blocking film is made of a photo-absorbing film which absorbs light.

42. The liquid crystal display of claim 33, wherein said first photo-blocking film is made of a layered film made of

55 a metal film and a photo-absorbing film which absorbs light.

43. A liquid crystal display device of claim 33, wherein said

third photo-blocking film is made of an elastic photo absorbing material.

60 44. The liquid crystal display of claim 43, wherein said elastic photo-absorbing material is mixed with a carbon black pigment.

45. A liquid crystal display of claim 33, having an arrangement wherein surface reflecting state of the first

65 photo-blocking film is substantially equal to surface reflecting state of the connected parts of the liquid crystal panels.

✓ 46. A liquid crystal display comprising:

- a plurality of interconnected liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;
- a first polarizing element provided on substantially an entire front surface of said liquid crystal display main body, said first polarizing element having a first polarizing axis; and
- a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable;
- a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width;
- a second photo-blocking film which covers an end surface of a connected part side of said liquid crystal panels; and
- a width d of said second photo-blocking film satisfies $|d| \leq c / \tan(\sin^{-1}(1/n))$, where d is a width of said second photo-blocking film from an end point where said first photo-blocking film is formed on the end surface of the connected part side of said liquid crystal panels to a main surface of said liquid crystal panels, c is a trace width of said first photo-blocking film at the end surface of the connected part side of said liquid crystal panels, and n is a refraction factor of substrates forming each liquid crystal panel.
47. A liquid crystal display comprising:
- a liquid crystal display main body comprising a plurality of liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode;
- a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width; and
- a third photo-blocking film provided in connected parts of said plurality of liquid crystal panels to fill spaces of said connected parts wherein a width d of said third photo-blocking film satisfies $|d| \leq c / \tan(\sin^{-1}(1/n))$, where d is a width of said third photo-blocking film from an end point where said first photo-blocking film is formed on the end surface of the connected part side of said liquid crystal panels to a main surface of said liquid crystal panels, c is a trace width of said first photo blocking film at the end surface of the connected part side of said liquid crystal panels, and n is a refraction factor of substrates forming each liquid crystal panel.
48. A liquid crystal display comprising:
- a plurality of liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal display panel including a respective pixel electrode;
- a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width; and
- a third photo-blocking film provided in connected parts of said plurality of liquid crystal panels to fill spaces of said connected parts;
- said third photo-blocking film is made of an elastic photo-absorbing material;

wherein said elastic photo-absorbing material has an elastic coefficient known as Young's coefficient of 10^4 - 10^6 N/M².

✓ 49. A liquid crystal display comprising:

- a plurality of interconnected liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;
- a first polarizing element provided on substantially an entire front surface of said liquid crystal display main body, said first polarizing element having a first polarizing axis;
- a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable; and
- said liquid crystal panels including panel substrates laminated by means of a seal material made of [a combination of thermosetting and] an ultraviolet-ray-setting resin.

✓ 50. A liquid crystal display comprising:

- a plurality of interconnected liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;
- a first polarizing element provided on substantially an entire front surface of said liquid crystal display main body, said first polarizing element having a first polarizing axis;
- a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable; and
- said liquid crystal panels including panel substrates laminated by means of a seal material made of a combination of thermosetting and ultraviolet-ray-setting resin.

✓ 51. A liquid crystal display comprising:

- a plurality of interconnected crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;
- a first polarizing element provided on substantially an entire front surface of said liquid crystal display main body, said first polarizing element having a first polarizing axis;
- a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable; and

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a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width, said first photo-blocking film is made of a photo-absorbing film which absorbs light.

✓ 52. A liquid display comprising:

a plurality of interconnected liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;

a first polarizing element provided on substantially an entire front surface of said liquid crystal display main body, said first polarizing element having a first polarizing axis;

a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable; and

a first photo-blocking film which covers a circumference of each pixel electrode in a predetermined trace width, said first photo-blocking film is made of a layered film made of a metal film and a photo absorbing film which absorbs light.

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53. A liquid crystal display comprising:

- a plurality of interconnected liquid crystal panels connected to each other adjacently on a single surface, each liquid crystal panel including a respective pixel electrode to form a liquid crystal display main body;

a second polarizing element provided on substantially an entire rear surface of said liquid crystal display main body, said second polarizing element having a second polarizing axis, said first and second polarizing axes intersecting at right angles wherein lack of electrical interconnection between said plurality of liquid crystal panels facilitates minimizing spacing therebetween and configuration of said first polarizing element and said second polarizing element renders any spacing less noticeable; and

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